

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 9

Application No.	10/700,355
Filing Date	November 3, 2003
First Named Inventor	Jackson Streeter
Art Unit	3762
Examiner	Unknown
Attorney Docket No.	ACULSR.028A

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	<del>3,375,755</del>	<del>05/10/73</del>	<del>Egginton, et al.</del>	
TK	2	3,810,367	05/1974	Peterson	
	3	4,315,514	02/1982	Drewes, et al.	
	4	4,343,301	08/1982	Indech	
	5	4,630,273	12/1986	Inoue, et al.	
	6	4,633,872	01/1987	Chaffee, et al.	
	7	4,669,466	06/1987	L'Esperance	
	8	4,798,215	01/1989	Turner	
	9	4,846,196	07/1989	Wiksell, et al.	
	10	4,930,504	06/1990	Diamantopolous, et al.	
	11	4,951,482	08/1990	Gilbert	
	12	4,951,653	08/1990	Fry, et al.	
	13	4,966,144	10/1990	Rochkind, et al.	
	14	5,029,581	07/1991	Kaga, et al.	
	15	5,037,374	08/1991	Carol	
	16	5,054,470	10/1991	Fry, et al.	
	17	5,150,704	09/1992	Tatebayashi, et al.	
	18	5,259,380	11/1993	Mendes, et al.	
	19	5,267,294	11/1993	Kuroda, et al.	
	20	5,282,797	02/1994	Chess	
	21	5,358,503	10/1994	Bertwell, et al.	
	22	5,368,555	12/1996	Schwartz	
	23	5,401,270	03/1995	Muller, et al.	
	24	5,441,495	08/1995	Liboff, et al.	
	25	5,445,146	08/1995	Bellinger	
	26	5,445,608	08/1995	Chen, et al.	
	27	5,464,436	11/1995	Smith	
	28	5,501,655	03/1996	Rolt, et al.	
	29	5,511,563	04/1996	Diamond	

Examiner Signature

/Taeyoon Kim/

Date Considered

07/13/2006

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U.S. PATENT DOCUMENTS					
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TK	30	5,540,737	07/1996	Fenn	
	31	5,580,550	12/1996	Gough, et al.	
	32	5,580,555	12/1996	Schwartz	
	33	5,601,526	02/1997	Chapelon, et al.	
	34	5,616,140	04/1997	Prescott	
	35	5,621,091	04/1997	Kunkel, et al.	
	36	5,622,168	04/1997	Keusch, et al.	
	37	5,627,870	05/1997	Kopecky	
	38	5,640,978	06/1997	Wong	
	39	5,643,334	07/1997	Eckhouse, et al.	
	40	5,728,090	03/1998	Martin, et al.	
	41	5,755,752	05/1998	Segal	
	42	5,817,008	10/1998	Rafert, et al.	
	43	5,842,477	12/1998	Naughton, et al.	
	44	5,843,073	12/1998	Sinofsky	
	45	5,849,585	12/1998	Mather, et al.	
	46	5,879,376	03/1999	Miller	
	47	5,902,741	05/1999	Purchio, et al.	
	48	5,928,207	07/1999	Pisano, et al.	
	49	5,928,945	07/1999	Seliktar, et al.	
	50	5,954,762	09/1999	Di Mino, et al.	
	51	5,983,141	11/1999	Sluiter, et al.	
	52	5,989,245	11/1999	Prescott	
	53	6,033,431	03/2000	Segal	
	54	6,042,531	03/2000	Holcomb	
	55	6,046,046	04/2000	Hassanein	
	56	<del>6,056,575</del>	<del>04/2000</del>	<del>Rosen, et al.</del>	
TK	57	6,060,306	05/2000	Flatt, et al.	
TK	58	6,063,108	05/2000	Salansky, et al.	

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TK	59	6,107,325	08/2000	Chan, et al.	
	60	6,107,608	08/2000	Hayes	
	61	6,112,110	08/2000	Wilk	
	62	6,117,128	09/2000	Gregory	
	63	6,129,748	10/2000	Kamei	
	64	6,143,878	11/2000	Koopman, et al.	
	65	6,146,410	11/2000	Nagypal, et al.	
	66	6,149,679	11/2000	Di Mino, et al.	
	67	6,156,028	12/2000	Prescott	
	68	6,179,771 B1	01/2001	Mueller	
	69	6,187,210 B1	02/2001	Lebouitz, et al.	
	70	6,198,958 B1	03/2001	Ives, et al.	
	71	6,210,317 B1	04/2001	Bonlie	
	72	6,214,035 B1	04/2001	Streeter	
	73	6,221,095 B1	04/2001	Van Zuylen, et al.	
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	77	6,290,713 B1	09/2001	Russell	
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TK	88	6,421,562 B1	07/2002	Ross	
	89	6,443,974 B1	09/2002	Oron, et al.	
	90	6,443,978 B1	09/2002	Zharov	
	91	6,471,716 B1	10/2002	Pecukonis	
	92	6,514,220 B2	02/2003	Melton, Jr., et al.	
	93	6,537,304 B1	03/2003	Oron	
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	95	6,663,659 B2	12/2003	McDaniel, et al.	
	96	2001/0044623 A1	11/2001	Chen	
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	98	2002/0087205 A1	07/2002	Chen	
	99	2002/0123781 A1	09/2002	Shanks, et al.	
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	101	2002/0188334 A1	12/2002	Carligen	
	102	2003/0212442 A1	11/2003	Streeter	
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	104	2003/0144712 A1	07/31/2003	Streeter	
	105	2003/0167080 A1	09/2003	Hart, et al.	
	106	2003/0216797 A1	11/20/2003	Oron	
	107	2004/0044384 A1	03/2004	Leber, et al.	
	108	2004/0014199 A1	01/22/2004	Streeter	
	109	2004/0132002 A1	07/08/2004	Streeter	
	110	2004/0220513 A1	11/04/2004	Streeter	
	111	2004/0260367 A1	12/23/2004	De Taboada, et al.	
	112	2005/0009161 A1	01/13/2005	Streeter	
	113	2005/0107851 A1	05/19/2005	De Taboada, et al.	
	114	U.S. Application No.: 10/682,379	10/09/2003	De Taboada, et al.	
↓	115	U.S. Application No.: 10/448,262	05/29/2003	Oron, et al.	

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TK	116	U.S. Application No.: 10/612,709	07/02/2003	Streeter	
↓	117	U.S. Application No.: 10/723,171	11/26/2003	Streeter	
	118	U.S. Application No.: 10/764,986	01/06/2004	Streeter	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	119	<del>DE 32 88 584 A1</del>	<del>07/24/1983</del>	<del>Budwig, geb.</del>		
	120	<del>DE 41 88 328 A1</del>	<del>09/17/1992</del>	<del>Durango Holding GmbH</del>		
	121	<del>DE 295 45 098 U1</del>	<del>04/18/1996</del>	<del>Wilden, Lutz, Dr.</del>		
	122	<del>DE 42 48 050 A1</del>	<del>10/28/1993</del>	<del>Hornig, Matthias, Dr.</del>		
TK	123	EP 0 130 950	11/04/1990	Tessiore, Adriano		
↓	124	EP 0 763 371 A2	03/19/1997	ESC Medical Systems Ltd.		
	125	EP 0 783 904 A2	07/16/1997	ESC Medical Systems Ltd.		
	126	EP 1 226 787 A2	07/31/2002	Laserwave S.r.l.		
	127	JP 04023634	02/10/1992	Olympus Optical		
	128	WO 96/36396	11/21/1996	Wilden, Lutz		
	129	WO 98/04321	02/05/1998	Biosense Inc.		
	130	WO 98/22573	05/28/1998	Advanced Tissue Sciences, Inc.		
	131	WO 99/42178	08/26/1999	Laser Research International, Inc.		
	132	WO 99/62599 A1	12/09/1999	Oron, Amir		
	133	WO 00/035534 A1	06/22/2000	Virulite Limited		
	134	WO 05/025672 A1	03/24/2005	PHOTOTHERA, INC. (Atty. Docket No. ACULSR.5CP1HPC)		
	135	PCT/US03/00747		International Search Report		

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TK	136	PCT/US02/36808		International Search Report		
↓	137	PCT/CA99/00156		International Search Report		
↓	138	PCT/US04/029724		International Search Report		
↓	139	PCT/US2005/004873 Partial ISR dated 6/16/05	02/11/2005	PHOTOTHERA, INC. (Atty. Docket No. ACULSR.008QPC)		

NON PATENT LITERATURE DOCUMENTS			
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TK	140	<i>Optical Properties of Tissues with Strong (Multiple) Scattering</i> , source unknown.	
↓	141	Van Brugel, Hans H.F.I., et al., <i>Power Density and Exposure Time of He-Ne Laser Irradiation are More Important than Total Energy Dose in Photo-Biomodulation of Human Fibroblasts In Vitro</i> , 1992, Wiley-Liss, Inc.	
↓	142	Agov, B.S., et al., <i>On the mechanism of therapeutic action of helium-neon laser in ischemic heart disease</i> , <i>KLIN MED (Moscow)</i> , 1985, pp. 102-105 (Abstract only).	
↓	143	Arvidsson, Andreas, et al., <i>Neuronal replacement from endogenous precursors in the adult rat brain after stroke</i> , <i>Nature Medicine</i> , Vol. 8, No. 9, September 2002, pp. 963-970.	
↓	144	Brazzle, John, et al., <i>Active Microneedles with Integrated Functionality</i> , <i>Technical Digest of the 2000 Solid-State Sensor and Actuator Workshop</i> , Department of Bioengineering, University of Utah, Salt Lake City, Utah 84112 (five pages).	
↓	145	Brill, G.E., et al., <i>Modifying influence of low level laser irradiation on the relationships in endothelial cell – blood platelet system</i> , 10 <sup>th</sup> Congress of the European Society for Photobiology, Vienna, Austria (one page).	
↓	146	Byrnes, K.R., et al., <i>Light Therapy Promotes Axonal Regeneration After Acute Spinal Cord Injury in Adult Rats</i> , Program No. 275.2, <i>Society for Neuroscience</i> , 2003, Abstract	
↓	147	Cohen, Michael A., <i>Method of Forming Microneedles and other Micron-Scale Transdermal Probes</i> , Office of Technology Licensing, University of California, Berkeley, <a href="http://otl.berkeley.edu/technology/inventiondetail.php/1000335">http://otl.berkeley.edu/technology/inventiondetail.php/1000335</a> , Abstract (two pages).	
↓	148	Dirnagl, Ulrich, et al., <i>Pathobiology of ischaemic stroke: an integrated view</i> , <i>TINS</i> , Vol. 22, No. 9, 1999, pp. 391-397.	
↓	149	Eells, J.T., et al., <i>Therapeutic photobiomodulation for methanol-induced retinal toxicity</i> , <i>Proceedings National Academy of Science (PNAS)</i> , Vol. 100, No. 6, March 18, 2003, pp. 3439-3444.	

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TK	150	Elimadi, Aziz, et al., <i>Trimetazidine Counteracts the Hepatic Injury Associated with Ischemia-Reperfusion by Preserving Mitochondrial Function</i> , <u>Journal of Pharmacology and Experimental Therapeutics</u> , Vol. 286, No. 1, 1998, pp. 23-28.	
	151	Gage, Fred H., <i>Brain, Repair Yourself</i> , <u>Scientific American</u> , September 2003, pp. 47-53.	
	152	Gasparyan, Levon V., et al., <i>Low Level Laser Therapy of Male Genital Tract Chronic Inflammations</i> , WALT 2-nd Congress (Kansas City, USA), 1998 (two pages).	
	153	Gasparyan, L.V., et al., <i>The influence of LED irradiation at different wavelengths on functional activity of blood platelets</i> , 10 <sup>th</sup> Congress of the European Society for Photobiology, Vienna, Austria, 2003 (one page).	
	154	Gasparyan, L.V., et al., <i>The influence of LED irradiation at different wavelengths with antioxidants on functional activity of blood platelets</i> , Laser, Florence, 2003 (one page).	
	155	Gasparyan, Levon V., <i>Biochemical and Biophysical Effects of Low Level Laser Irradiation</i> , <u>MAL 2000</u> , Helsinki, Finland (three pages).	
	156	Gasparyan, Levon V., <i>Experience of Russian (former USSR) Scientists in LLLT and UV Blood Irradiation</i> , <u>MAL 2000</u> , Helsinki, Finland (four pages).	
	157	Gasparyan, Levon V., <i>Investigation of Sensations, Associated with Laser Blood Irradiation</i> , WALT 2-nd Congress (Kansas City, USA), 1998 (two pages).	
	158	Gasparyan, Levon V., <i>Millimeter Wave Therapy</i> , <u>MAL 2000</u> , Helsinki, Finland (three pages).	
	159	Gross, Garrett J., et al., <i>Mechanisms of Postischemic Contractile Dysfunction</i> , Myocardial Protection From Surgical Ischemic-Reperfusion Injury, An International Symposium, Asheville, North Carolina, Sept. 21-24, 1997, pp. 1898-1904.	
	160	Hammon, John W. Jr, MD, et al., <i>Myocardial Protection Form Surgical Ischemic-Reperfusion Injury</i> , <u>Ann Thorac Surg</u> 1999;68:1897.	
	161	Iadecola, Costantino, et al., <i>Inhibition of inducible nitric oxide synthase ameliorates ischemic damage</i> , <u>Am. J. Physiol.</u> , Vol. 268, 1995, pp. R286-R292.	
	162	Karu, Tiina, <i>Mechanisms of Low-Power Laser Light Action on Cellular Level</i> , <u>Effects of Low-Power Light on Biological Systems V</u> , Proceedings of SPIE, 7 July 2000, Vol. 4159, 2000	
	163	Karu, T.I., <i>Low power laser therapy</i> , in Biomedical Photonics Handbook, Ch. 48, Editor-in-Chief Tuan Vo-Dinh, Boca Raton, CRC Press, 2003.	
	164	Karu, Tiina, <i>Mechanisms of interaction of monochromatic visible light with cells</i> , <u>Proc. SPIE</u> , Vol. 2630, pp. 2-9.	
	165	Karu, Tiina, <i>Photobiological Fundamentals of Low Power Laser Therapy</i> , <u>IEEE Journal of Quantum Electronics</u> , Vol. QE-23, No. 10, October 1987, pp. 1703-1717.	
↓	166	<i>The Laser Exchange: Delivering the medicine of the future</i> , <u>www.laserexchange.co.uk/laser-therapy/ultrasoun.htm</u> , 42 pages.	

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	168	Minoru, Asahi, et al, <i>Expression of Interleukin-1[beta] Converting Enzyme Gene Family and bcl-2 Gene Family in the Rat Brain Following Permanent Occlusion of the Middle Cerebral Artery</i> , <i>Journal of Cerebral Blood Flow &amp; Metabolism</i> , Vol 17(1), January 1997, pp. 11-18.	
	169	Mochizuki-Oda, Noriko, et al., <i>Effects of near-infra-red laser irradiation on adenosine triphosphate and adenosine diphosphate contents of rat brain tissue</i> , <i>Neuroscience Letters</i> 323, May 3, 2002, pp. 207-210.	
	170	Nishioka, Norman S., et al., <i>Reflection and Transmission of Laser Light From the Esophagus: The Influence of Incident Angle</i> , <i>Gastroenterology</i> , Vol. 94, 1988, pp. 1180-1185.	
	171	Olesin, Al, et al., <i>Laser irradiation of venous blood for production of reperfusion syndrome in myocardial infarction</i> , <i>Patologicheskaia fiziologiya</i> , 1992 (Abstract only).	
	172	Oron, Uri, et al., <i>Attenuation of Infarct Size in Rats and Dogs after Myocardial Infarction by Low-Energy Laser Irradiation</i> , <i>Lasers in Surgery and Medicine</i> , Vol. 28, 2001, pp. 204-211.	
	173	Oron, Uri, et al., <i>Low-Energy Laser Irradiation Reduces Formation of Scar Tissue After Myocardial Infarction in Rats and Dogs</i> , <i>Circulation</i> , Vol. 103, January 16, 2001, pp. 296-301.	
	174	Park, James L., Ph.D., et al., <i>Mechanisms of Myocardial Reperfusion Injury</i> , <i>The Annals of Thoracic Surgery</i> , Official Journal of The Society of Thoracic Surgeons and the Southern Thoracic Surgical Association, Vol. 68, No. 5, November 1999, pp. 1905-1912.	
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Examiner Signature	/Taeyoon Kim/	Date Considered	07/13/2006
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	10/700,355
	Filing Date	November 3, 2003
	First Named Inventor	Jackson Streeter
	Art Unit	3762
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 9 OF 9	Attorney Docket No.	ACULSR.028A

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
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